

CURRICULUM VITAE

NAME: MENGHUA TAO

OFFICE ADDRESS: Department of Biostatistics and Epidemiology
School of Public Health
University of North Texas Health Science Center
EAD 601
3500 Camp Bowie Blvd
Fort Worth, TX 76107
(817) 735-0520 (Office)
(817) 735-0446 (Fax)
E-mail: menghua.tao@unthsc.edu

EDUCATION:

09/02 – 08/06 University of California at Los Angeles, Los Angeles, CA
Ph.D. Degree in Epidemiology

09/98 – 07/01 School of Public Health, Fudan University, Shanghai,
China
M.S. in Epidemiology

09/93 – 07/98 Shanghai Medical University, Shanghai, China
M.D. in Maternal and Child Health

PROFESSIONAL EXPERIENCE:

03/14 - Assistant Professor
Department of Biostatistics and Epidemiology
School of Public Health
University of North Texas Health Science Center, Fort Worth

11/10 – 01/14 Instructor
Institute for Translational Epidemiology, Tisch Cancer
Institute, Icahn School of Medicine at Mount Sinai (former
School of Medicine at Mount Sinai), New York

09/09 – 10/10 Research Assistant Professor
Department of Social and Preventive Medicine, School of
Public Health and Health Profession, State University of New
York (SUNY) at Buffalo, Buffalo, New York

09/06 – 08/09 Postdoctoral Fellow
Department of Social and Preventive Medicine, School of Public Health and Health Profession, State University of New York (SUNY) at Buffalo, Buffalo

09/03 – 08/06 Research Assistant
Department of Epidemiology, School of Public Health
University of California at Los Angeles, Los Angeles (UCLA)

07/04 – 07/05 Student Internship
Epidemiology Center, Department of Medicine
Vanderbilt University, Nashville

06/03 – 08/03 Student Internship
Divisions of Descriptive Epidemiology & Biostatistics
International Agency of Research on Cancer (IARC), Lyon, France

07/01 – 08/02 Research Fellow
Department of Epidemiology, Shanghai Cancer Institute, Shanghai, China

09/98 – 07/01 Research Assistant
School of Public Health, Fudan University, Shanghai, China

Research Assistant
Department of Epidemiology, Shanghai Cancer Institute, Shanghai, China

02/98 – 06/98 Research Assistant
Department of Epidemiology, Shanghai Institute of Planned Parenthood Research, Shanghai, China

06/97 – 02/98 Intern, Department of Internal Medicine, Surgery, Obstetrics & Gynecology, and Pediatrics
Zhongshan Hospital affiliated to Shanghai Medical University, Shanghai, China

HONORS AND AWARDS

2012 Faculty Fellowship Summer Institute in Israel 2012
2008 American Association for Cancer Research Scholar-In-Training Award
2006 New Investigator Workshop, American Society of Preventive Oncology
2005 Chancellor's Dissertation Year Fellowship, Graduate Division, UCLA
2003 Epidemiology Departmental Fellowship, Department of Epidemiology, UCLA
2003 Special Training Award, WHO International Agency of Research on Cancer, France

2002 Chancellor's Fellowship, Graduate Division, UCLA
2000 First Class Scholarship, Ministry of Education, China

REVIEW RESPONSIBILITIES

External Grant Review:

2018 - Reviewer, Clinical Cancer Research and Epidemiology Study Section, American Cancer Society

2015, 2020 Reviewer, Project for Young Research Teams (RUTE) Program, The Romanian National Executive Agency for Higher Education, Research, Development and Innovation Funding

2017 Reviewer, UK Breast Cancer Now Foundation

2016 Reviewer, Cancer, Heart, and Sleep Epidemiology Panel Study Section (CHSB), NIH

2011 Reviewer, the Breast Cancer Campaign, United Kingdom and Ireland

2010 Reviewer, the Breast Cancer Research Program Review Panel in Clinical Health Sciences/ Epidemiology, DOD

External Journal Review:

Editorial Board Member: Scientific Reports, Cancer panel

Guest Editor, Special Issue of International Journal of Breast Cancer
Special Issue of Epidemiology, BioMed Research International

Ad hoc Reviewer:

The Lancet, American Journal of Epidemiology, Annals of Oncology, Archives of Medical Research, British Journal of Cancer, British Journal of Nutrition, BMJ Open, Carcinogenesis, Cancer Epidemiology Biomarkers & Prevention, Cancer Causes & Control, Cancer Biomarkers, Cancer Epidemiology, Cellular Physiology and Biochemistry, Clinica Chimica Acta, Clinical & Experiment Metastasis, Disease Markers, Epigenetics in Human Disease, Environmental Health Perspectives, Environmental Research, International Journal of Cancer, Journal of Cancer Epidemiology, Journal of Cancer Research and Clinical Oncology, Lung Cancer, Molecular Carcinogenesis, Molecular Cell Biochemistry, Nicotine & Tobacco Research, Nutrients, The Journal of Obstetrics and Gynaecology Research, PLOS ONE, Public Health Nutrition,

PROFESSIONAL ORGANIZATIONS

2019-present Associate Member of the American Society for Nutrition
2004-present Associate Member of the American Association for Cancer Research
2001-present Member of Chinese Society of Pediatric Oncology
1998-present Member of Chinese Anti-Cancer Association

COMMITTEE SERVICE

2016 – present	Member of Advisory Committee Texas Cancer Registry
2019	Section Lead, 14th Annual Texas Conference on Health Disparities, Fort Worth, Texas
2018 September –	Member of Master Admission Committee at School of Public Health, UNTHSC
2017 September – 2018 August	Member of Scholarship & Awards Committee at School of Public Health, UNTHSC
2016 September – 2016 December	Member of Ph.D. Committee at School of Public Health, UNTHSC
2016 March	Member of Search Committee for Executive Director of Institute for Molecular Medicine at UNTHSC Member of <i>Ad Hoc</i> Curriculum Review Committee
2015 September – 2016 August	Member of Biosafety Committee, UNTHSC Member of Scholarship & Awards Committee at School of Public Health, UNTHSC
2014 September - 2015 August	Member of Research Committee at School of Public Health, UNTHSC

TEACHING EXPERIENCE

University of North Texas Health Science Center, Fort Worth, TX
School of Public Health
Instructor
Course: Introduction to Epidemiology (EPID 5300, 3 credits)
Fall 2014 - 2021

Course: Online Course: Introduction to Epidemiology (EPID 5300, 3 credits)
Spring 2016, 2017, 2018, 2021; Summer 2018, 2019, 2021; Fall 2020

Course: Chronic Disease Epidemiology (EPID 5318, 3 credits)
Spring 2016, 2017, 2019, 2020, 2021

Course: Applied Data Analysis in Epidemiology (EPID 5314, 3 credits)
Spring 2019; Fall 2019-2021

Course: Cancer Epidemiology (EPID 6324, 3 credits)
Spring 2015

Lecturer
Course: Foundation of Public Health (PHED 53910)
Spring 2018-2021

College of Pharmacy
Lecturer
Course: Pharmacy Practice 4: Evidence Based Practice and Drug Literature Evaluation (PHAR 7345)
Spring 2015

Icahn School of Medicine at Mount Sinai, New York
Spring, 2013
Instructor of group discussion
MPH students
Course: Introduction to Epidemiology (MPH 400, 3 credits)
Fall, 2012
Instructor of group discussion
Medical students
Course: Clinical Epidemiology
Summer, 2011, 2012
Course: Summer Course in Clinical Research
Clinical Research Education Program
Lecture on: Molecular Epidemiology

State University of New York, at Buffalo (UB), Buffalo
Fall, 2007, 2008
Department of Exercise Science
Course: Health Promotion Preventive & Wellness
Lecture on: Principles of Epidemiology and Cancer
Epidemiology
Spring, 2010
Department of Social and Preventive Medicine
Seminar to graduate students at UB School of Public Health
and Health Profession
Lecture on: DNA Methylation and Breast Cancer

Roswell Park Cancer Institute, Buffalo
Fall, 2006-2009
Department of Cancer Prevention and Control
Seminar to graduate students and faculty members
“Seminar Work in the Progress”

Shanghai Cancer Institute, Shanghai, China
Fall, 2001-2002
Department of Epidemiology
A Course to graduate students on “Cancer Epidemiology”
Lecture on: Methods of Cancer Epidemiology
Lecture on: Breast Cancer Epidemiology

Fudan University, Shanghai, China
1998-2001
Department of Epidemiology
Teaching Assistant: Seminar of Epidemiology
A course to graduate students in School of Public Health

“Seminar in Epidemiology: Cancer”

GRADUATE STUDENT/ RESEARCH FELLOW SUPERVISION

Research Fellow Supervision:

2019 Summer	Annie Wingard (TCOM Pediatric Research Program mentor)
2011 Summer	Pietro Giacobelli (Research supervisor) Smoking and bladder cancer Rajini Nagrani (Research supervisor) Dietary intake and breast cancer in India
2011 Fall	Bettina Braun (Research supervisor) ADH polymorphism and DNA promoter methylation in breast tumor

PhD Candidate Trainees:

08/2018 -	Noah Peeri, Ph.D. student at UNTHSC Dissertation project: Sleep, genetic polymorphisms and lung cancer risk Projects: Associations between vitamin D and magnesium intakes and cognitive function in the National Health and Nutrition Examination Survey (NHANES); Serum levels of antioxidant micronutrient in relation to mortality in US adults
09/2017 – 05/2020	Jialiang Liu, Ph.D. candidate at UNTHSC Comparison of micronutrient intakes by body weight level among African American and Mexican-American young women Trends in magnesium intake of Hispanic adults
2017 – 2018	Zhengqi Tan, Ph.D. candidate at UNTHSC Intakes of calcium and magnesium and obesity in Hispanic young women
2014 - 2015	Ann Davis, Ph.D. at UNTHSC Blood DNA methylation and lung cancer risk in non-smoking women from a multi-center case-control study

Master’s Trainees:

05/2021-	Jolie Starling, MS candidate at UNTHSC Thesis project: Heavy metal exposure and cognitive function in the National Health and Nutrition Examination Survey (NHANES)
2017 - 2018	Yuhan Huang, MPH, UNTHSC Dietary intakes of micronutrients and prevalence of obesity, pre-diabetics and diabetics in National Health and Nutrition Examination Survey (NHANES) 2000-2012
2016 – 2017	Furong Li, MPH, UNTHSC Dietary intake of calcium, magnesium and breast cancer incidence and mortality in Swedish Women’s Lifestyle and Health Study

- 2014 – 2015 Sufana Shikdar, MPH at UNTHSC
Pilot study of bladder cancer in Central Europe
- 2012 - 2013 Alexander Rialdi, MPH, Icahn School of Medicine at Mount Sinai (MPH
Committee member, thesis advisor)
Master’s Project: Early life exposure to indoor pollution and DNA global
methylation in non-smoking women from Poland

PUBLICATIONS

a. Publications in refereed journals: (*: Co-first authorship)

1. Liu J, Fulda KG, **Tao MH**. The mediating role of total fruit and vegetables intake in the association between acculturation and metabolic syndrome in Hispanic adults *Public Health Nutr*, Accepted August 2021.
2. Adams J, Mauldin T, Yates K, Zumwalt C, Tera A, Cervantes D, **Tao MH**. Factors related to the accurate application of NHSN surveillance definitions for CAUTI and CLABSI in Texas hospitals: a cross-sectional survey. *Am J Infect Control*. 2021 [doi:10.1016/j.ajic.2021.07.007]. [PMID: 34303723]
3. **Tao MH**, Fulda KG. Association of magnesium with liver fibrosis in adults in the United States: Results from the National Health and Nutrition Examination Survey 2017-2018. *Nutrients* 2021; 13, 142 [https://doi.org/10.3390/nu13010142] [PMID: 33401667]
4. Peeri NC, Chai W, Cooney RV, **Tao MH**. Association of Serum Levels of Antioxidant Micronutrients with Mortality in US Adults: National Health and Nutrition Examination Survey 1999-2002. *Public Health Nutr*, 2020 November 2020 [doi: 10.1017/S1368980020004619] [PMID: 33183381]
5. Mancilla VJ, Peeri NC, Silzer T, Basha R, Felini M, Jones HP, Phillips N, **Tao MH**, Thyagarajan S, Vishwanatha JK. Understanding the interplay between Health Disparities and Social Epigenomics. *Front. Genet* 2020 July, [doi: 10.3389/fgene.2020.00903]
6. Peeri NC, Egan KM, Chai W, **Tao MH**. Association of magnesium intake and serum vitamin D levels with cognitive function in older adults: an analysis of US National Health and Nutrition Examination Survey (NHANES) 2011 to 2014. *Eur J Nutr* 2021 Feb; 60 (1): 465-74. [PMID:32388734, PMCID: PMC7649128]
7. McAtee JR, **Tao MH**, King C, Chai W. Association of home food availability with prediabetes and diabetes among adults in the United States. *Nutrients* 2020 April, 12(5): 12(5): 1209. [PMID: 32344821, PMCID: PMC7281998]

8. Liu J, Huang Y, Fulda KG, Chen S, **Tao MH**. Trends in magnesium intake of Hispanic adults, National Health and Nutrition Examination Survey (NHANES) 1999-2014. *Nutrients* 2019 Nov; 11(12): E2867. [PMID: 31766698, PMCID: PMC6950381]
9. Liu J, Zhu X, Fulda KG, Chen S, **Tao MH**. Comparison of micronutrient intakes by body weight level among Mexican-American and non-Hispanic black women aged 19-39 years: an analysis of NHANES 2003-2014. *Nutrients* 2019 Nov; 11(12): E2846. [PMID: 31757075, PMCID: PMC6950012]
10. Wu L, Zhu X, Fan L, Kabagambe EK, Song Y, **Tao M**, Zhong X, Hou L, Shrubsole MJ, Liu J, Dai Q. Author Correction: Magnesium intake and mortality due to liver diseases: Results from the Third National Health and Nutrition Examination Survey Cohort. *Sci Rep* 2019; 9(1): 6983 [PMID: 61043638, PMCID: PMC6494812]
11. Callahan C, Bonner M, Nie J, Wang Y, **Tao MH**, Shields PG, Marian C, Eng K, Trevisan M, Freudenheim JL. Active and secondhand smoke exposure throughout life and DNA methylation in breast tumors. *Cancer Causes & Control* 2019; Jan 7 [doi:10.1007/s10552-018-1102-4] [PMID: 30617699, PMCID: PMC6697076]
12. **Tao MH**, Chen S, Freudenheim JL, Cauley J, Johnson K, Mai X, Sarto G, Wakelee H, Boffetta P, Wactawski-Wende J. Oral bisphosphonate use and lung cancer incidence among postmenopausal women. *Ann Oncol* 2018; 29(6): 1476-85. [PMID: 29617712, PMCID: PMC6005043]
13. Wu L, Zhu X, Fan L, Kabagambe EK, Song Y, **Tao MH**, Zhong X, Hou L, Shrubsole MJ, Liu J, Dai Q. Magnesium intake and mortality due to liver diseases: Results from the Third National Health and Nutrition Examination Survey Cohort. *Sci Rep* 2017; 7: 17913 [PMID: 29263344, PMCID: PMC5738415]
14. Callahan C, Bonner M, Nie J, Han D, Wang Y, **Tao MH**, Shields PG, Marian C, Eng K, Trevisan M, Beyea J, Edge SB, Freudenheim JL. Lifetime exposures to ambient air pollution and methylation of tumor suppressor genes in breast tumors. *Environ Res* 2018; 161: 418-24. [PMID: 29197760, PMCID: PMC5747980]
15. **Tao MH**, Dai Q, Chen S, Freudenheim JL, Rohan TE, Wakelee H, Datta M, Wactawski-Wende J. Calcium plus vitamin D supplementation and lung cancer incidence among postmenopausal women in the Women's Health Initiative. *Lung Cancer* 2017 Aug; 110: 42-47. [PMID: 28676217, PMCID: PMC5541890]
16. Callahan C, Wang Y, Marian C, Eng K, **Tao MH**, Ambrosone CB, Nie J, Trevisan M, Smiraglia D, Edge SB, Winston J, Shields PG, Freudenheim JL. DNA methylation and breast tumor clinicopathological features: the Western New York Exposures and Breast Cancer (WEB) Study. *Epigenetics* 2016 Sep; 11: 9, 643-52. [PMID: 27245195, PMCID: PMC5048718]

17. Davis A*, **Tao MH***, Chen J, Scelo G, Zaridze D, Lissowska J, Rudnai P, Fabianova E, Bencko V, Janout V, Foretova L, Mates D, Mates IN, Brennan P, Boffetta P. No association between peripheral blood DNA methylation and lung cancer risk in non-smoking women: results from a multicentre study in Central and Eastern Europe. *Eur J Cancer Prev* 2018; 27(1): 1-5. [DOI: 10.1097/CEJ.0000000000000244] [PMID: 27045934].
18. Gao T, Joyce BT, Liu L, Zheng Y, Dai Q, Zhang Z, Zhang W, Shrubsole MJ, **Tao MH**, Schwartz J, Baccarelli A, Hou L. DNA Methylation of Oxidative Stress Genes and Cancer Risk in the Normative Aging Study. *Am J Cancer Res* 2016 Jan; 6 (2): 553-561.[PMID: 27186424, PMCID: PMC4859680]
19. **Tao MH**, Dai Q, Millen A, Nie J, Ambrosone C, Edge SB, Trevisan M, Shields PG, Freudenheim JL. Associations of intakes of magnesium and calcium and survival among women with breast cancer: results from Western New York Exposures and Breast Cancer (WEB) Study. *Am J Cancer Res* 2015 Dec; 6 (1): 105-113. [PMID: 27073728, PMCID: PMC4759402].
20. **Tao MH**, Zhou J, Rialdi AP, Martinez R, Dabek J, Scelo G, Lissowaka J, Chen J, Boffetta P. Indoor air pollution from solid fuels and peripheral blood DNA methylation: findings from a population study in Warsaw, Poland. *Environ Res* 2014 Sep; 134C: 325-30 [PMID: 25199973].
21. Yip R, Islami F, Zhao S, **Tao M**, Yankelevitz DF, Boffetta P. Errors in systematic reviews: an example of computed tomography screening for lung cancer. *Eur J Cancer Prev* 2014 Jan; 23(1): 43-8. [PMID: 23715405]
22. **Tao MH**, Hainaut P, Marian C, Nie J, Ambrosone C, Edge SB, Trevisan M, Dorn J, Shields PG, Freudenheim JL. Effects of pre-diagnostic physical activity on survival following breast cancer diagnosis: influence of *TP53* mutation status. *Cancer Causes and Control* 2013 Dec; 24(12): 2177-86 [PMID:24068557, PMCID: PMC3860883]
23. **Tao MH**, Marian C, Shields PG, Potischman N, Nie J, Krishnan SS, Berry DL, Kallakury BV, Ambrosone CB, Edge SB, Trevisan M, Winston J, Freudenheim JL. Exposures in early life: associations with DNA promoter methylation in breast tumors. *J Dev Orig Health Dis* 2013 Apr; 4(2):182-9 [PMID: 25054684, PMCID: PMC4539251].
24. Chen H, Zhao HX, Huang XF, Chen GW, Yang Z, Sun W, **Tao MH**, Yuan Y, Wu J, Sun F, Dai Q, Shi HJ. Does high load of oxidants in human semen contribute to male factor infertility? *Antioxid Redox Signal* 2012 Apr; 16(8):754-9. [PMID: 22149455]
25. **Tao MH**, Mason JB, Marian C, McCann SE, Platek M, Millen A, Ambrosone CB, Edge SB, Krishnan SS, Trevisan M, Shields PG, Freudenheim JL. Promoter methylation of *E-cadherin*, *p16*, and *RAR-β₂* genes in breast tumors and dietary intake of nutrients in one-carbon metabolism. *Nutr Cancer* 2011 Oct; 63(7):1143-50. [PMID: 21916701, PMCID: PMC3834353]

26. **Tao MH**, Marian C, Nie J, Ambrosone CB, Krishnan SS, Edge SB, Trevisan M, Shields PG, Freudenheim JL. Body mass and DNA promoter methylation in breast tumors in the Western New York Exposures and Breast Cancer (WEB) Study. *Am J Clin Nutr* 2011 Sep; 94(3):831-8. [PMID: 21775555, PMCID: PMC3155934]
27. **Tao MH**, Liu JW, LaMonte MJ, Liu J, Wang L, He Y, Li XY, Wang LN, Ye L. Different association of apolipoprotein E polymorphism with the metabolic syndrome by gender in an elderly Chinese population. *Metabolism* 2011 October; 60:1488-1496. [PMID: 21550086]
28. Brasky TM, Bonner MR, Moysich KB, Ambrosone CB, Nie J, **Tao MH**, Edge SB, Kallakury BVS, Marian C, Trevisan M, Shields PG, Freudenheim JL. Non-steroidal anti-inflammatory drugs (NSAIDs) and breast cancer risk: differences by molecular subtype. *Cancer Causes and Control* 2011 July; 22(7):965-75. [PMID: 21516318, PMCID: PMC3178267].
29. Marian C, **Tao M**, Mason JB, Nie J, Shields PG, Chanson A, Freudenheim JL. Single Nucleotide Polymorphisms in uracil-processing genes and breast cancer risk. *Eur J of Clin Nutr* 2011 June; 65(6): 683-689. [PMID: 21427733, PMCID: PMC3902360]
30. Jiang JY, Xiang YB, **Tao MH**, Xu WH. Advances in research of gene-environment interaction in breast cancer (Review). *Tumor (Chinese)*; 2011 June 31(6): 558-564. [DOI:10.3781/j.issn.1000-7431.2011.06.017].
31. **Tao MH**, Marian C, Shields PG, Nie J, McCann SE, Millen A, Ambrosone CB, Hutson A, Edge SB, Krishnan SS, Xie B, Winston J, Vito D, Russell M, Nochajski TH, Trevisan M, Freudenheim JL. Alcohol consumption in relation to DNA aberrant methylation in breast tumors. *Alcohol* 2011 November; 45(7):689-699. [PMID: 21168302, PMCID: PMC3137700]
32. Zhu L, Baker SS, Liu W, **Tao MH**, Patel R, Baker RD. Non-alcoholic steatohepatitis in adolescents: combined effects of molecular pathways contributing to steatosis. *Metabolism* 2011 Jul; 60(7): 1001-11. [PMID: 21075404]
33. Brasky TM, Bonner MR, Moysich KB, Ochs-Balcom HM, Marian C, Ambrosone CB, Nie J, **Tao MH**, Edge SB, Trevisan M, Shields PG, Freudenheim JL. Genetic variant in *COX-2*, non-steroidal anti-inflammatory drug, and breast cancer risk: the Western New York Exposures and Breast Cancer (WEB) Study. *Breast Cancer Res Treat* 2011 Feb; 126(1): 157-65. [PMID: 20676755, PMCID: PMC2992094]
34. Brasky TM, Bonner MR, Moysich KB, Ambrosone CB, Nie J, **Tao MH**, Edge SB, Kallakury BVS, Marian C, Trevisan M, Shields PG, Freudenheim JL. Non-steroidal anti-inflammatory drug (NSAID) use and breast cancer risk in the Western New York Exposures and Breast Cancer (WEB) Study. *Cancer Causes and Control* 2010 Sep; 21(9): 1503-12. [PMID: 20499154, PMCID: PMC2922491]

35. **Tao MH**, Freudenheim JL. DNA methylation in endometrial cancer (**Review**). *Epigenetics* 2010 Aug; 5(6): 491-498. [PMID: 20543579, PMCID: PMC2954259]
36. Zhu QL, Xu WH, **Tao MH**. Biomarkers of metabolic syndrome and breast cancer prognosis. (**Invited Review**) *Cancers* 2010 Apr; 2(2): 721-739. [PMID: 24281091, PMCID: PMC3535101]
37. **Tao MH**, Shields PG, Nie J, Marian C, Ambrosone CB, McCann SE, Platek M, Krishnan SS, Xie B, Edge SB, Winston J, Vito D, Trevisan M, Freudenheim JL. DNA promoter methylation in breast tumors: No association with genetic polymorphisms in *MTHFR* and *MTR*. *Cancer Epidemiol Biomarkers Prev*. 2009 Mar; 18(3):998-1002. [PMID: 19240236, PMCID: PMC3537294]
38. **Tao MH**, Shields PG, Nie J, Millen A, Ambrosone CB, Edge SB, Krishnan SS, Marian C, Xie B, Winston J, Vito D, Trevisan M, Freudenheim JL. DNA hypermethylation and clinicopathological features in breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. *Breast Cancer Res Treat*; 2009 Apr; 114(3):559-68. [PMID: 18463976, PMCID: PMC4408917]
39. **Tao MH**, Cai Q, Zhang ZF, Xu WH, Kataoka N, Wen W, Xiang YB, Zheng W, Shu XO. Polymorphisms in the *CYP19A1* (Aromatase) gene and endometrial cancer risk in Chinese women. *Cancer Epidemiol Biomarkers Prev*. 2007 May; 16(5):943-949. [PMID: 17164389]
40. Adamson P, Bray F, Costantini AS, **Tao MH**, Weiderpass E, Roman E. Time trends in the registration of Hodgkin and non-Hodgkin lymphomas in Europe. *Eur J Cancer* 2007 Jan; 43(2):391-401. [PMID: 17134891]
41. **Tao MH**, Cai Q, Xu WH, Kataoka N, Wen W, Zheng W, Xiang YB, Zhang ZF, Shu XO. Cytochrome P450 1B1 and catechol-o-methyltransferase genetic polymorphisms and endometrial cancer risk in Chinese women. *Cancer Epidemiol Biomarkers Prev*. 2006 Dec; 15(12):2570-2573. [PMID: 17164389]
42. **Tao MH**, Xu WH, Zheng W, Zhang ZF, Gao YT, Ruan ZX, Cheng JR, Xiang YB, Shu XO. Oral contraceptives use and endometrial cancer, a population-based case-control study in Shanghai, China. *Int J Cancer* 2006 Nov; 119(9):2142-2147. [PMID: 16823853]
43. Cui Y, Shu XO, Gao YT, Cai H, **Tao MH**, Zheng W. Association of Ginseng use with survival and quality of life among breast cancer patients. *Am J Epidemiol* 2006 Apr; 163(7):645-653. [PMID: 16484447]
44. **Tao MH**, Shu XO, Ruan ZX, Gao YT, Zheng W. Association of overweight with breast cancer survival. *Am J Epidemiol* 2006 Jan; 163(2):101-107. [PMID: 15886701]
45. **Tao MH**, Xu WH, Zheng W, Gao YT, Ruan ZX, Cheng JR, Xiang YB, Shu XO. A case-control study in Shanghai of fruit and vegetable intake and endometrial cancer. *Br J Cancer* 2005 Jun; 92(11):2059-2964. [PMID: 15886701]

46. Bao PP, Gao LF, Liu DK, **Tao MH**, Jin F. A case-control study on risk factors for stomach cancer in urban Shanghai. *Tumor (Chinese)*; 2003(6): 458-463.
47. **Tao MH**, Jin F, Liu DK, Gao LF. Population-based case-control study of the relationship between dietary factors and risk of breast cancer. *Bulletin of Chinese Cancer (Chinese)* 2003; 12:78-82.
48. Bao PP, Gao LF, Liu DK, **Tao MH**, Jin F. A case-control study of the relationship between diet and stomach cancer in Shanghai resident. *Bulletin of Chinese Cancer (Chinese)* 2003; 12:66-70.
49. **Tao MH**, Liu DK, Gao LF, Jin F. Relationship between green tea and risk of breast cancer. *Tumor (Chinese)*; 2002(3): 176-180.
50. **Tao MH**, Jin F. Incidence trend of childhood tumor in Shanghai, 1972-1998. *Tumor (Chinese)*; 2001(6): 426-430.
51. Bao PP, **Tao MH**, Liu DK, Gao LF, Jin F. A case-control study of smoking, alcohol consumption and stomach cancer. *Tumor (Chinese)*; 2001(5): 334-338.

b. Book chapter:

1. **Tao MH**. Epidemiology of lung cancer. In El-Baz A and Suri SJ (ed): Lung Cancer and Imaging. IOP Publishing, UK, 2019, Chapter 4 page 1-15 [DOI:10.1088/978-0-7503-2540-0ch4].
2. **Tao MH**, Boffetta P. Epidemiology of lung cancer. In Stahel RA (ed): Lung Cancer Therapy Annual 7. Informa Healthcare, London, UK, 2012, page 1-9.

c. Publications under review and in preparation (*: Co-corresponding authorship):

1. Chai W*, Eaton S, Rasmussen H, **Tao MH***. Overall and Ethnicity-Specific Associations of Dietary Lipid-Soluble Micronutrients with Hepatic Steatosis among Adults in the United States (Manuscript re-submitted)
2. Peeri NC, **Tao MH**, Nguyen US. Trends in prediabetes, diabetes and oral health by race/ethnicity among adults in the United States 2011-2018 (Manuscript under preparation).
3. Peeri NC, Nguyen US, **Tao MH**. Investigating the association between sleep traits and the risk of lung cancer in a prospective cohort study: UK Biobank Cohort (Manuscript under preparation).
4. **Tao MH**, Liu J, Cervantes D. Association between magnesium intake and cognition in U.S. older adults: National Health and Nutrition Examination Survey (NHANES) 2011 to 2014. (Manuscript under preparation)

5. **Tao MH**, Freudenehim JL, Dai Q, Wactawski-Wende J. Magnesium intake and liver cancer incidence among postmenopausal women in the Women's Health Initiative. (Manuscript under preparation).
6. **Tao MH**, Fulda KG, Wong L. Lung cancer screening practices among primary care providers in Northern Texas (Manuscript under review).
7. Luo J, **Tao MH**, Shrubsole MJ, Zhao N, Dai Q. Intakes of dietary magnesium, calcium/magnesium ratio and the prevalence of the metabolic syndrome among U.S. adults (Manuscript under preparation).
8. Islami F, Yip R, **Tao M**, Yankelevitz DF, Boffetta P. Meta-analysis on CT screening for lung cancer (Manuscript under preparation).

PRESENTATIONS

a. Poster:

1. **Tao MH**, Freudenehim JL, Dai Q, Wactawski-Wende J. Magnesium intake and liver cancer incidence among postmenopausal women in the Women's Health Initiative. Annual Meeting of the American Society for Nutrition 2021 (virtual meeting)
2. Liu J, Fulda KG, **Tao MH**. The mediating role of total fruit and vegetables intake in the association between acculturation and obesity in Hispanic adults from NHANES 2009 – 2016. Annual Meeting of the American Society for Nutrition 2020 (virtual meeting)
3. Ann Wingard, Liu J, **Tao MH**. The mediation role of sleep in the association between acculturation and obesity in Hispanic women aged 19-50 years. UNTHSC Research Appreciation Day 2020 (meeting cancelled)
4. Liu J, Huang Y, Fulda KG, Chen S, **Tao MH**. Trends in magnesium among US Hispanic adults, National Health and Nutrition Examination Survey (NHANES) 1999-2014. 14th Annual Texas Conference on Health Disparities, 2019
5. Peeri NC, Egan KM, **Tao MH**. Association of vitamin D and magnesium status with cognitive function in older adults: results from the National Health and Nutrition Examination Survey (NHANES) 2011 to 2014. Annual Meeting of the American Society for Nutrition 2019.
6. Tan Z, Zhu X, Chen S, Fulda K, **Tao MH**. Associations between dietary intakes of magnesium and calcium and overweight and obesity among Hispanic young women from National Health and Nutrition Examination Survey (NHANES) 2003-14. Annual Meeting of the American Society for Nutrition 2018.
7. Huang Y, Tan Z, Chen S, **Tao MH**. Associations between dietary intakes of magnesium and calcium and overweight and obesity in US children from National Health and Nutrition Examination Survey (NHANES) 2003-12. UNTHSC Research Appreciation Day 2018.

8. **Tao MH**, Chen S, Freudenheim JL, Cauley J, Johnson K, Mai X, Sarto G, Wakelee H, Boffetta P, Wactawski-Wende J. Oral bisphosphonate use and lung cancer incidence among postmenopausal women. International Association for the Study of Lung Cancer Multidisciplinary Symposium in Thoracic Oncology, 2017.
9. Li F, Lof M, Weiderpass E, **Tao MH**. Magnesium and calcium intakes and breast cancer risk in a prospective study in Sweden. UNTHSC Research Appreciation Day 2017.
10. **Tao MH**, Dai Q, Millen A, Nie J, Ambrosone C, Edge SB, Trevisan M, Shields PG, Freudenheim JL. Associations of intakes of magnesium and calcium and survival among women with breast cancer: results from Western New York Exposures and Breast Cancer (WEB) Study. Annual Meeting of the American Association for Cancer Research. 2015.
11. Davis A, **Tao MH**, Chen J, Scelo G, Zaridze D, Lissowska J, Rudnai P, Fabianova E, Bencko V, Janout V, Foretova L, Mates D, Mates IN, Brennan P, Boffetta P. No association between peripheral blood DNA methylation and lung cancer risk in non-smoking women: results from a multicentre study in Central and Eastern Europe. Annual Meeting of American Society of Preventive Oncology. 2015.
12. Shikdar S, Bencko V, Janout V, Lissowska J, Mates D, Boffetta P, **Tao MH**. Assessment of bladder cancer risk factors: Central European Health Study. UNTHSC Research Appreciation Day 2015.
13. Martinez R, Rialdi AP, Chen J, **Tao MH**. DNA methylation levels in nonsmoking lung cancer. Annual Biomedical Research Conference for Minority Students, 2012.
14. **Tao MH**, Marian C, Shields PG, Potischman N, Nie J, Ambrosone CB, Edge SB, Krishnan SS, Vito D, Trevisan M, Freudenheim JL. Early life exposures and promoter methylation in breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. Annual Meeting of the American Association for Cancer Research. 2012.
15. Dobson K, Freudenheim JL, Shields, PG, **Tao MH**, Marian C, Edge SB, Winston J, Trevisan M, Bonner MR. Air Pollution Exposure and promoter methylation of *E-cadherin*, *p16*, and *RAR-β₂* in Breast Cancer Tumors from Cases in the Western New York Exposures and Breast Cancer Study (WEB) study. Annual Meeting of the American Association for Cancer Research. 2011.
16. Freudenheim JL, **Tao MH**, Marian C, Nie J, Ambrosone C, Krishnan S, Edge SB, Winston J, Trevisan M, Shields PG. Association of body mass index (BMI) with DNA methylation in postmenopausal breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. American Association for Cancer Research Special Conference on Cancer Epigenetics. 2010.
17. **Tao MH**, Shields PG, Nie J, Millen A, Platek M, McCann S, Ambrosone CB, Edge SB, Krishnan SS, Marian C, Xie B, Winston J, Vito D, Trevisan M, Freudenheim JL. Effects of alcohol consumption and dietary methyl donor intake on DNA aberrant methylation in

breast cancer. National Institute of Health Conference on Emerging Evidence for Epigenomic Changes in Human Disease 2009.

18. **Tao MH**, Shields PG, Nie J, Millen A, Ambrosone CB, Edge SB, Krishnan SS, Marian C, Xie B, Winston J, Vito D, Trevisan M, Freudenheim JL. Alcohol consumption associations with DNA aberrant methylation in breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. The Era of Hope, Department of Defense Breast Cancer Research Program Meeting. 2008.
19. **Tao MH**, Shields PG, Nie J, Millen A, Ambrosone CB, Edge SB, Krishnan SS, Marian C, Xie B, Winston J, Vito D, Trevisan M, Freudenheim JL. Alcohol consumption associations with DNA promoter methylation in breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. Annual Meeting of the American Association for Cancer Research. 2008.
20. **Tao MH**, Shields PG, Nie J, Millen A, Ambrosone CB, Edge SB, Krishnan SS, Marian C, Xie B, Winston J, Vito D, Trevisan M, Freudenheim JL. DNA hypermethylation and clinicopathological features in breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. Annual Meeting of the American Association for Cancer Research. 2007.
21. **Tao MH**, Xu WH, Zheng W, Zhang ZF, Gao YT, Ruan ZX, Cheng JR, Xiang YB, Shu XO. Oral contraceptives use and endometrial cancer, a population-based case-control study in Shanghai, China. Annual Meeting of American Society of Preventive Oncology. 2006.
22. **Tao MH**, Xu WH, Zheng W, Gao YT, Ruan ZX, Cheng JR, Xiang YB, Shu XO. A case-control study in Shanghai of fruit and vegetable intake and endometrial cancer. Annual Meeting of American Association for Cancer Research. 2005.

b. Oral presentation:

1. Magnesium, vitamin D status and cognition in older US adults: results from population-based studies. 2nd Workshop on Magnesium, Neuroscience and Nutrition in Current Covid-19 Pandemia. May 2021.
2. Intakes of calcium and magnesium and obesity in young African American and Hispanic women. Invited presentation 15th Annual Texas Conference on Health Disparities, 2020.
3. Comparison of micronutrient intakes by body weight level among African American and Hispanic young women. USPHS Scientific and Training Symposium. 2018.
4. Alcohol consumption associations with DNA aberrant methylation in breast cancer: the Western New York Exposures and Breast Cancer (WEB) Study. The Era of Hope, Department of Defense Breast Cancer Research Program Meeting. 2008.

5. Genetic polymorphisms of estrogen synthesis and metabolic enzyme genes on the risk of endometrial cancer. The New Investigator Workshop, American Society of Preventive Oncology. 2006.
6. Incidence trend of childhood tumor in Shanghai, 1972-1998. National Conference of Pediatric Cancer, 3rd Meeting, China. 2001.

RESEARCH SUPPORT

On-going Grant

Texas Center of Health Disparity Project Award 5/01/2021-5/31/2022
 Intake of magnesium, acculturation and obesity in Hispanic young women
 Role: PI

Cancer Prevention & Research Institute of Texas 1/16/2021-10/31/2025
 (PI: Vishwanatha)
 Osteopathic Scholars in Cancer research – research training
 Role: Faculty advisor

Pending Grant

NIA 12/01/2021-11/30/2026
 Dose and age-dependent effects of metformin on healthspan and lifespan
 Role: Co-I

Recently Completed Project

DOD Prostate Cancer Research Program – Collaborative Undergraduate HBCU Student Summer Training Program Award (PI: Vishwanatha) 10/1/2016-9/30/2019
 Diversifying Biomedical Researchers in Prostate Cancer through Academic Affiliations between UNTHSC and Alabama State University
 Role: Faculty advisor

Texas Academy of Family Physicians Foundation 5/1/2018-4/30/2019
 Lung cancer screening practices among primary care physicians in NorTex
 Role: PI

NCI R03 (PI) (R03CA184327) 4/1/2015-3/31/2018
 Oral bisphosphonate use in relation to lung cancer incidence and mortality in elderly women
 Role: PI

Children’s Environmental Health Center Pilot Project Award 7/1/2012 – 6/30/14
 Early life exposure and adulthood lung cancer
 Role: PI

Submitted Grant

NIMHD 12/01/2021-11/30/2023
 Magnesium intake, mitochondrial DNA and nonalcoholic fatty liver disease in Hispanics

Role: PI
 NCI 09/01/2021-08/31/2024
 Methodologic biases and the obesity paradox in cancer survival
 Role: PI
 NIMHD 4/1/2021-3/30/2023
 Diet, socio-culture, neighborhood environment factors and non-alcoholic fatty liver disease in Hispanics
 Role: PI
 NIMHD Administrative Supplement 8/1/2020-7/31/2021
 Assessing the impact of COVID-19 Stay at Home policies on Minority Mothers' mental health
 Role: Co-I
 TCRAA 7/1/2020-6/30/2024
 Dietary magnesium intake, genetics and Alzheimer's disease and mild cognitive impairment
 Role: PI
 NIH/NIA 4/1/2020-3/31/2025
 Involvement of cerebellum in Aging and AD (PI: Yang)
 Role: Co-I
 NIH/NCI 4/1/2020-3/31/2023
 Bisphosphonate use and lung cancer risk and lung cancer survival in never-smoking women
 Role: PI
 NIH/NIA 7/1/2019-6/30/2024
 Involvement of cerebellum in AD (PI: Yang)
 Role: Co-I
 American Lung Association 7/1/2018-6/30/2020
 Bisphosphonate use and lung cancer survival among never-smoking women
 Role: PI
 NIH/NIAAA 04/01/2016-3/31/2018
 Mitochondrial DNA methylation and alcohol consumption in breast cancer epidemiology
 Role: PI

Submitted Pre-application

DOD Lung Cancer Research Program Idea Development Award 05/2019
 Lung cancer incidence and risk factors in never-smoking Hispanic women
 Role: PI
 DOD Melanoma Research Program Idea Development Award 05/2018
 Engineer Novel Oncolytic Viruses for ImmunoChemoTherapy (OVICT) of Cancer
 Role: Co-I